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# UNITED STATES DEPARTMENT OF AGRICULTURE US FOREST SERVICE GIFFORD PINCHOT, FORESTER

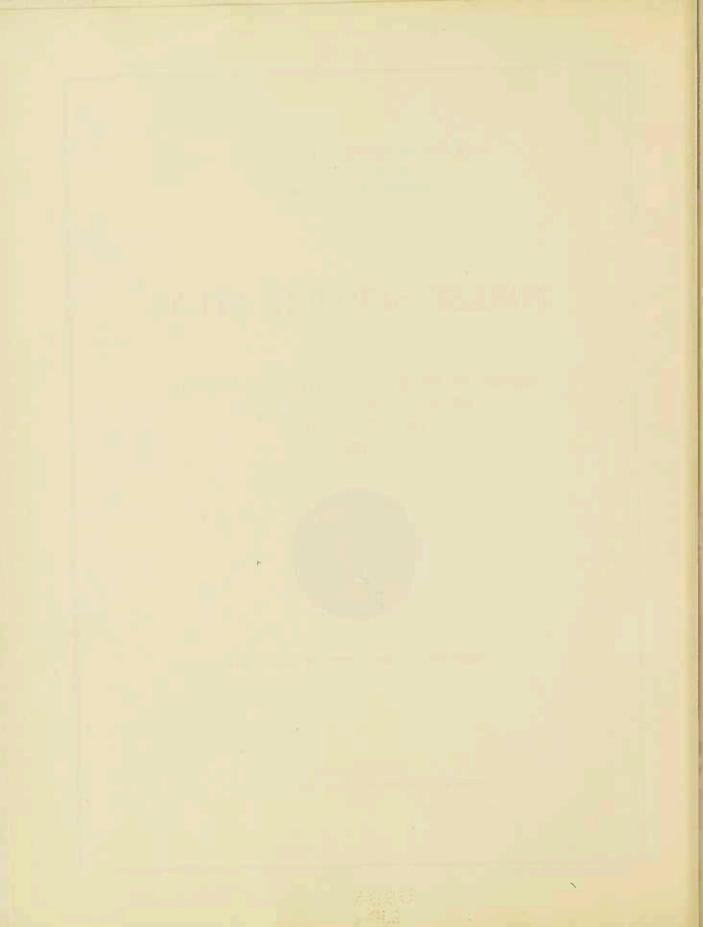
# FOREST SERVICE ATLAS

EXTRACTS FROM THE STATISTICAL VOLUME
OF THE FOREST ATLAS FOR
THE FISCAL YEAR
1907



COMPILED BY THE OFFICE OF GEOGRAPHY

\$WASHINGTON\$ Engraved and printed by the u. s. geological survey \$1908\$



# LETTER OF TRANSMITTAL

U. S. DEPARTMENT OF AGRICULTURE,
FOREST SERVICE,

Washington, D. C., June 15, 1908.

SIR: I have the honor to transmit herewith extracts selected from the statistical volume of the Forest Atlas for 1907, and to recommend their publication.

Respectfully,

GIFFORD PINCHOT,

Forester.

Hon. James Wilson, Secretary of Agriculture.

#### EXPLANATORY

The following pages show selected extracts from the statistical volume of the Forest Atlas for the fiscal year ended June 30, 1907. A manuscript volume is compiled each year by the Office of Geography, and the facts set forth constitute an official reference record of the work of the Forest Service for the fiscal year. In order to make the Atlas more valuable as a work of reference, there is included, in addition to the Forest Service reports, information on various other subjects related to forestry, which is taken from official and authentic sources.

Since many members of the Forest Service have no opportunity to consult the original volumes, these pages are reproduced for their information and convenience. On the diagrammatic maps each National Forest is represented by a square, proportionate to its area, which is placed as near as possible to the actual geographic location of the Forest. The exact location of the squares, however, is of only secondary importance, because the principal purpose of the diagrams is to indicate the proportionate areas, conditions, and transactions upon the Forests in a direct and graphic manner.

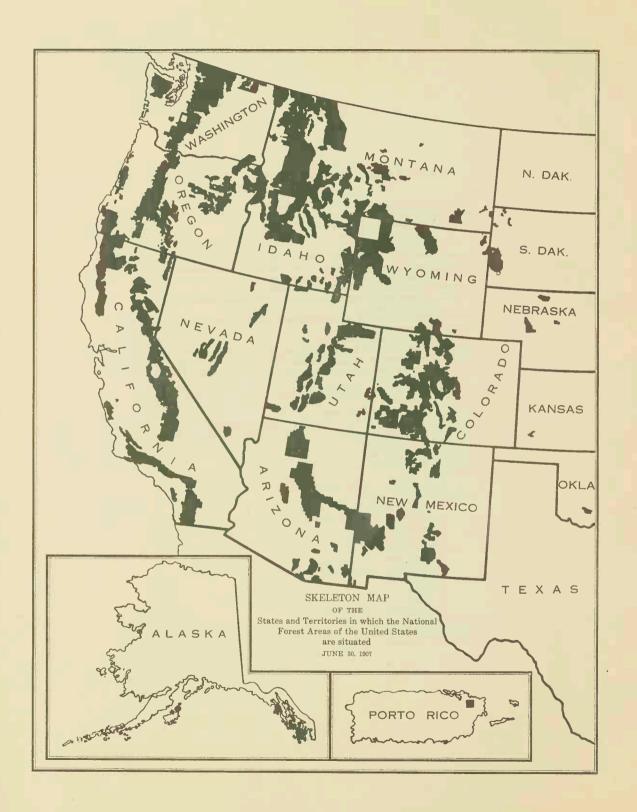
The information presented is thought to be of interest not only to the members of the Service but to the users of the National Forests as well. This Atlas is not designed for general circulation, but a limited number of copies will be reserved for distribution among libraries, educational institutions, and associations devoted to the interests of forestry or to the conservation of other natural resources.

FRED G. PLUMMER,

Geographer.

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	30



#### DISPOSAL OF LANDS IN THE SIXTEEN WESTERN STATES. June 30, 1907.

		Grants to roads and R. R.	Spanish grants.	State-school, etc	Individual claims, homesteads, etc.	Unappropriated public lands.	National Forests,		
1.	Arizona	1	1	1	1				
2.	California	2				1	1	Arizona	I,
2	Colorado	3		2	2				
	Idaho	4		-			2	0.326	
		-			3	2		California	2.
5.	Kansas	õ	and the same	3	3				
			2	4	4	3			
6.	Montana	6		4			3	Colorado	3.
				5	5	4			
						5			
				6					
7.	Nebraska	7			6	6	4	Idaho	4.
				7					
				8		7	5	Kansas	5.
	Nevada	8	3		7				
9.	New Mexico	9=		9	and the second s	8	6	Montana	6.
			of the last		9				
10.	North Dakota	10		10			78	Nebraska Nevada	7.
			- Catalana		10		9	New Mexico	9.
				11	TO.	9	11	Oklahoma	11.
19	Oregon	12		12					
		12	a		t1	10 11	12	Oregon	12.
14.	Utah	14		13	12	12			
					12	13		South Dakota Utah	13.
15.	Washington	15		14		14	14	Otan	14.
					13				
				15	4		15	Washington	15.
16.	Wyoming	16	- de-		-15	16			
	,	10		16	16		16	Wyoming	16.
						and the second s			

Total area of land surface acres.

Arizona 72,287,600 California 99,388,880 Colorado 66,241,120 Ldaho 53,618,560 Kansas 52,383,890 Montana 98,296,640 Nebraska 49,157,120 Newada 70,285,440 New Mexico 78,401,920 North Dakota 44,917,120 Oklahoma 44,423,960 Oregon 61,188,480 South Dakota 49,195,520 Utah 52,677,60 Washington 42,775,040 Wyoming 62,460,160 Total 998,751,680

Total . . . 993,751,680

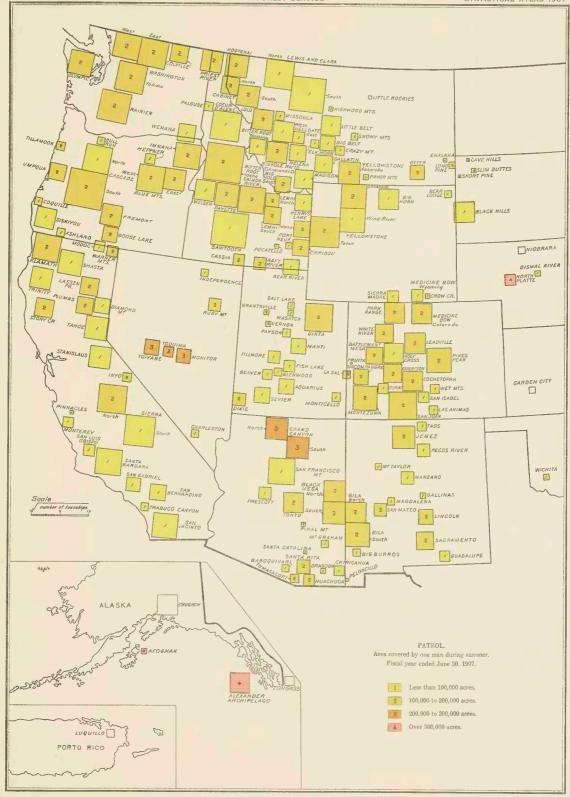
Scale One square inch to 36,000,000 acres.

Explanation.

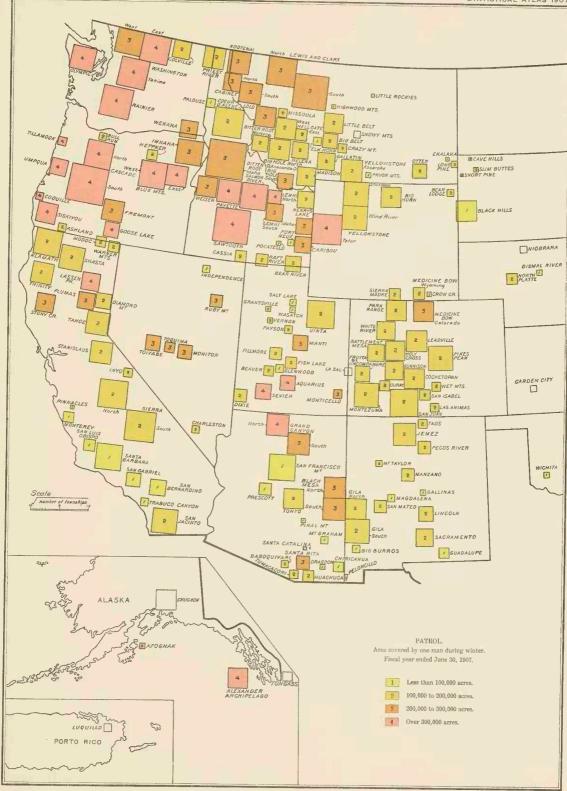
The above diagram is approximately correct.

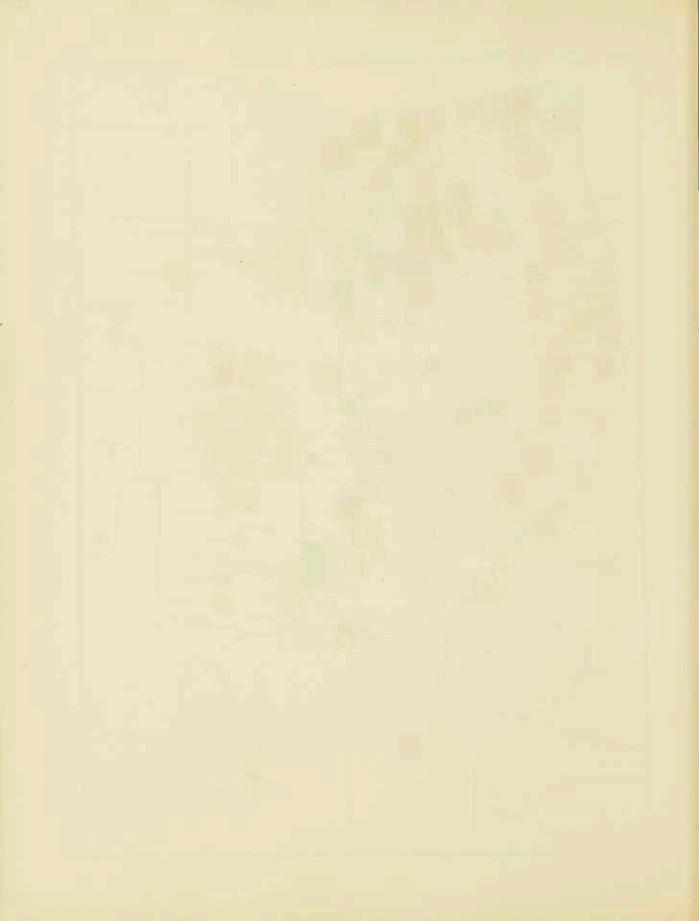
The National Forest areas do not include alienated land, as exact figures for all forests were not available.

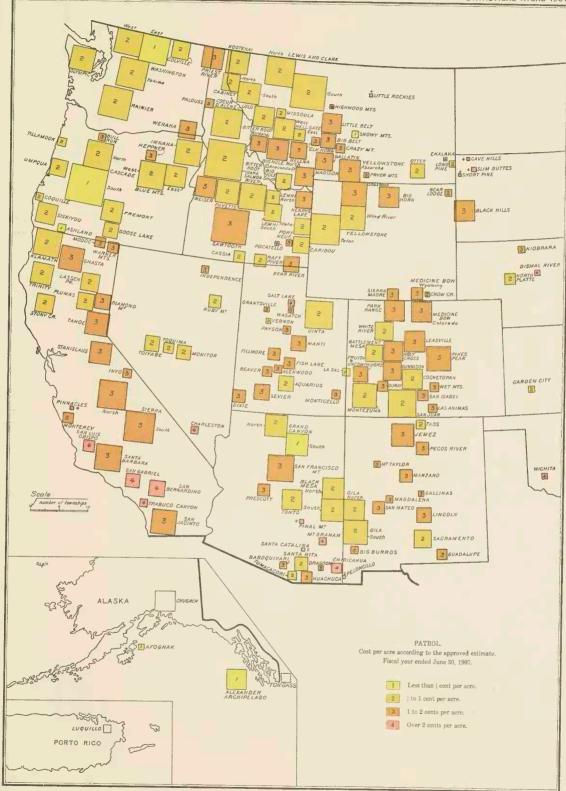


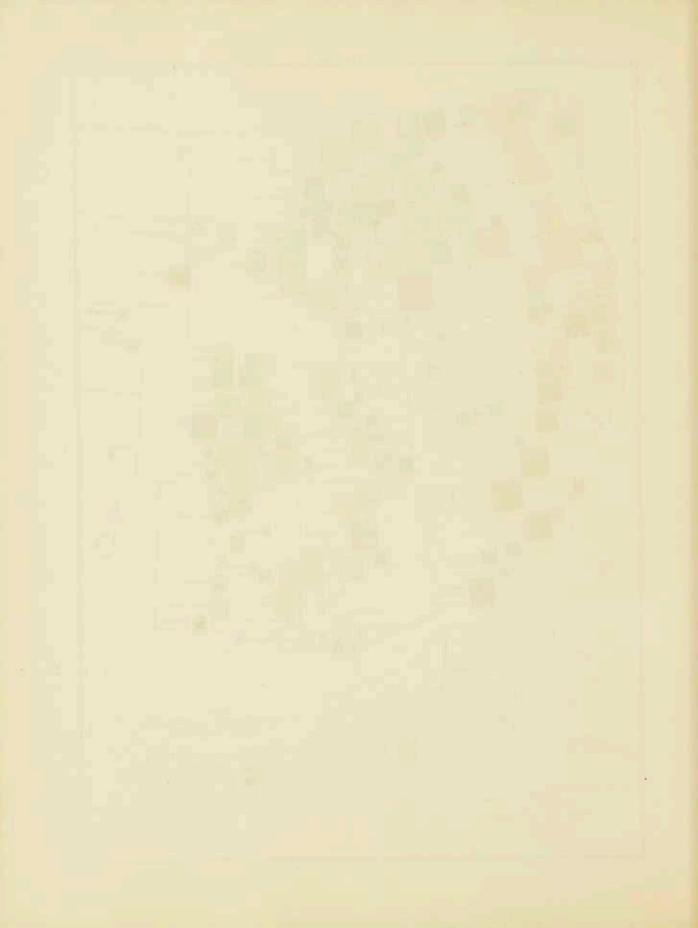


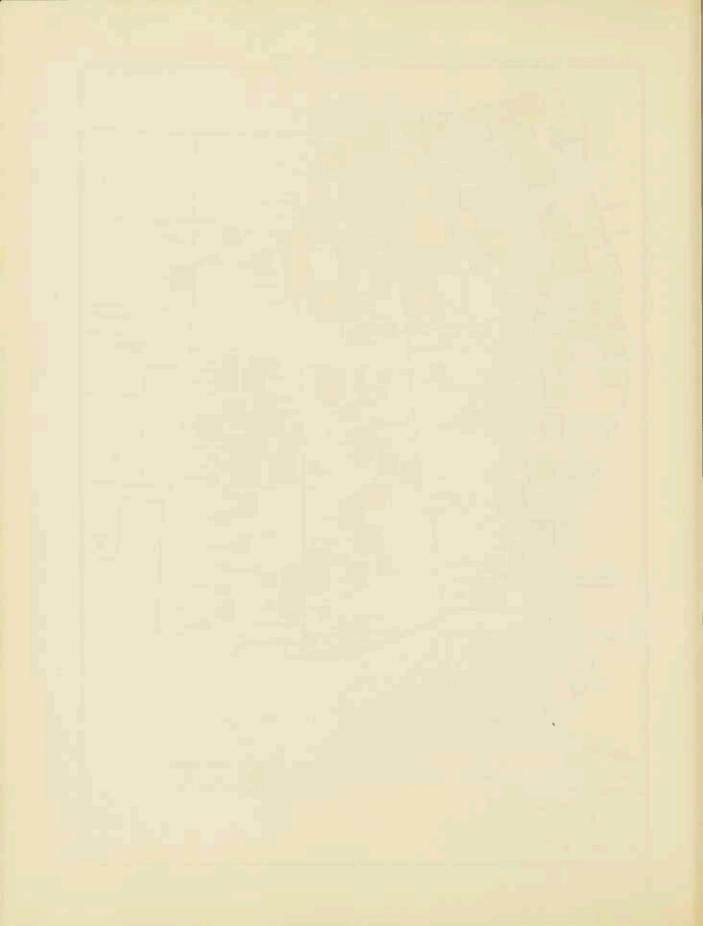










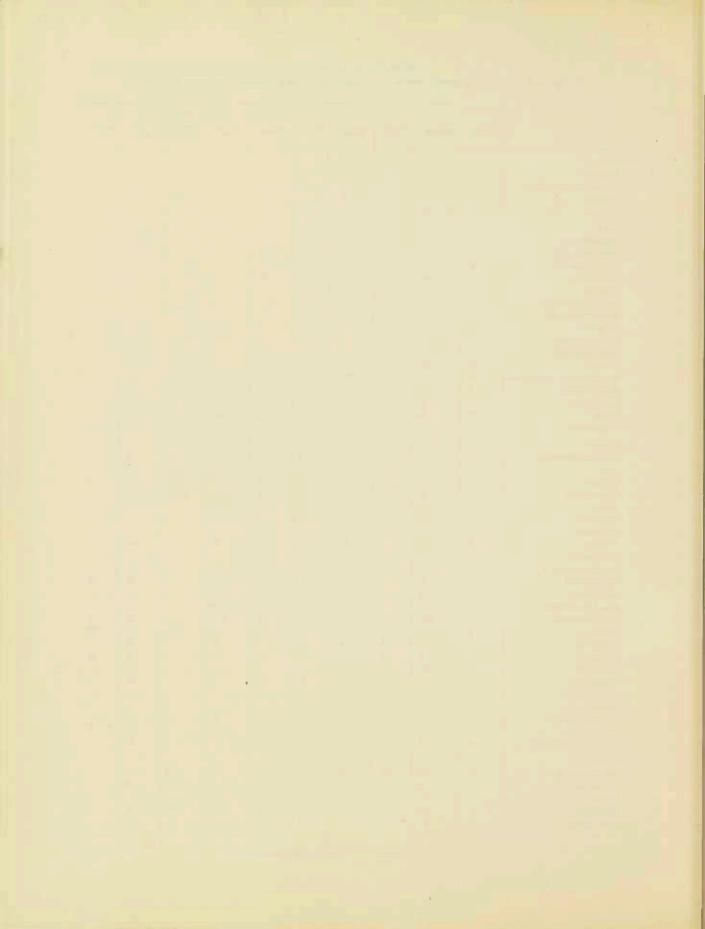


#### COMMUNICATION.

# NUMBER OF MILES CONSTRUCTED SINCE THE CREATION OF THE FORESTS, TO JUNE 30, 1907.

		Roads.		Rail	ways.		frails.	1	Telephone lines.		
State and Forest.	County.	Private.	Govern- ment.	Standard gauge,	Narrow gauge or tram.	Private.	Govern- ment.	Tele- graph lines.	Private or corporate.	Govern	
ALASKA:			-							-	
Afognak										ĺ	
Alexander Archipelago					. 5	7			7		
Chugach				. 15				27	'		
Tongass											
ARIZONA:							1				
Baboquivari											
Black Mesa (N)											
Black Mesa (S)					1				. 15		
Chiricahua		14									
Dragoon						35	15		. 6		
Grand Canyon (N)					111111111111111111111111111111111111111						
Grand Canyon (8)							· 12§				
Huachuca		10	5	25		14		. 25	6		
Mount Graham											
Pinal Mountains							. 10		4		
Prescott	7	2				3					
	25	65			5 <del>1</del>	30		. 70	1531		
San Francisco Mountains.	50	10		a35		15			20		
Santa Catalina	2						. 15				
Santa Rita		3		4		3		. 4	19		
Tonto	10	41/2					. 125				
Tumacacori											
ALIFORNIA:											
Diamond Mountain				3	1		12				
Inyo					9 8 4				1		
Klamath	15	10			- X	40	b250				
Lassen Peak	5					3			33		
Modoe									6		
Monterey						* * * * * * * * * *					
731							91/2				
Plumas	3	Pro C		65			3				
C To 11	- 11			00		45	27		66		
San Bernardino		40									
San Gabriel						25	51		40		
San Jacinto	7	8				50	50		30	70	
							25		30		
							30				
Santa Barbara						50	1000		10	6	
Shasta	3				2	25	27	100	44	66	
Sierra (N)		83	16	2	8		30		45		
Sierra (S)	15	40	6			55	65		52	38	
		15 .				1			10		
		71 .		71	1	9	. 8		51	8	
Stony Creek				• • • • • • • • • • • • • • • • • • • •							
Tahoe		1 .								1;	
Trabuco Canyon							12			*****	
		10 .				20	75		200		
Warner Mountains	8	4 .							20		
DLORADO:											
Battlement Mesa	14	60	63	41			400				
Cochetopa			100				180	41/2	15 .		
Fruita		Og .							28 .		
Gunnison	5	15	Pv.								
Holy Cross	20	0 =				13	72	30			
	4217	75/3			1   .				0		
La Sal		6 .			111				6 .		

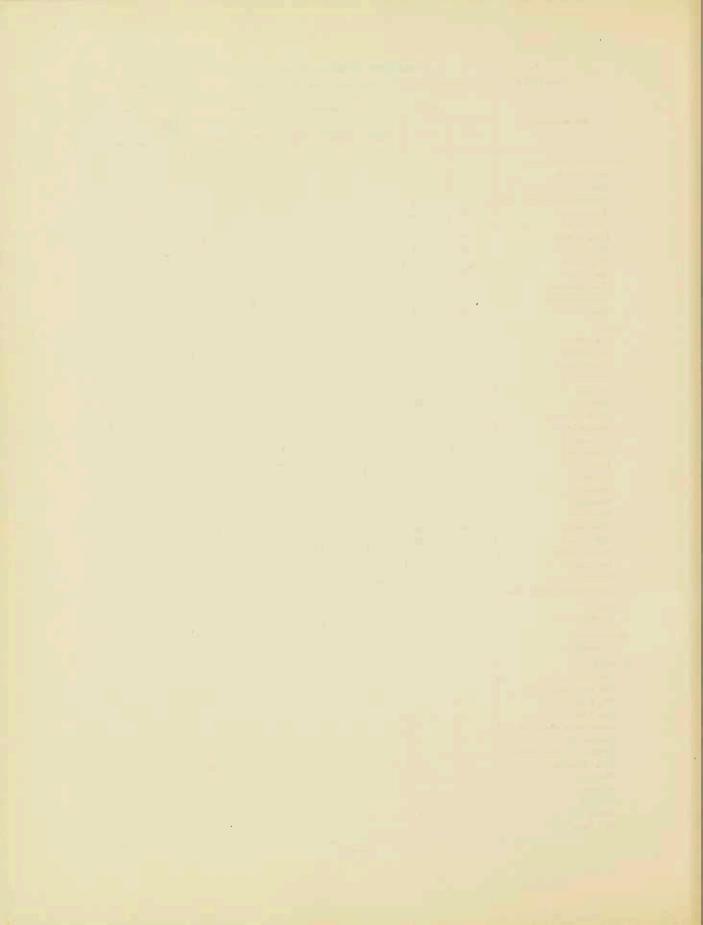
a Temporary logging railroad. b Old trails, 200; new trails, 50.



### COMMUNICATION—Continued.

NUMBER OF MILES CONSTRUCTED SINCE THE CREATION OF THE FORESTS, TO JUNE 30, 1907.

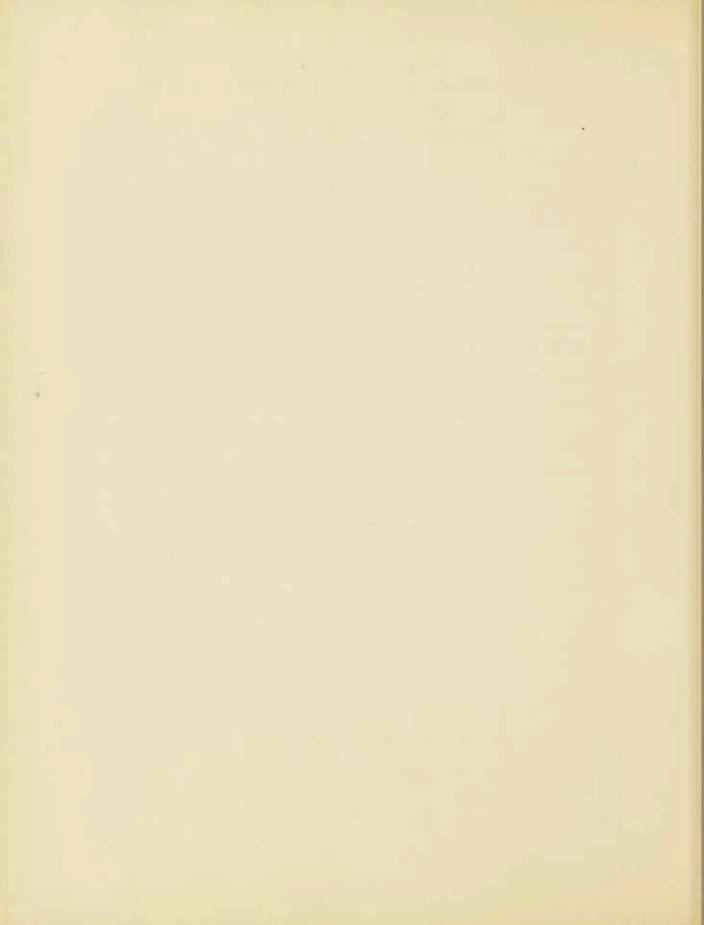
		Roads.		Raily	vays.	7	rails.		Telephone lines.		
State and Forest.	County.	Private.	Govern- ment.	Standard gauge.	Narrow gauge or tram,	Private.	Govern- ment.	Tele- graph lines.	Private or corporate.	Govern ment.	
COLORADO - Continued:					-						
Las Animas				.]							
Leadville					1						
Medicine Bow (Colo. Div.)		6									
Montezuma	43	211	1		24	94			10		
Ouray				1	~ 9		1 1 2		19		
Park Range	16	85					. 5				
Pikes Peak	851	138	a14	41	6	or		,	15		
San Isabel		21	5			25	35	48	85		
San Juan	34	47±				9	69				
Uncompangre		13				8	9		27		
Wet Mountains	27										
White River	60	10				23	48		11		
	60	100	• • • • • • • •	,		250	50		10		
IDAHO:											
Bear River											
Big Hole (S)											
Bitter Root		30				50	300		56		
0.11 1.(0)		5				10					
Caribou											
Cassia		50	10								
Coeur d'Alene											
Henrys Lake				18							
TT .										* * * * * *	
Lemhi (N)							24				
Lemhi (S)								,			
Palouse									12		
73											
									71		
Pocatello		9					8	,			
		5									
Priest River	25	55				150	15				
Raft River		36									
Salmon River											
Sawtooth		2							20 .		
Weiser	2	9		3		5	1	8			
Yellowstone (Idaho Div.)											
CANSAS:					- 1						
Garden City					- 17			i i			
INNESOTA:	- 1	1			- 0						
Minnesota				12							
IONTANA:		1			0						
Big Belt		1 .		5 .	- 11						
Big Hole (Ana. Div.)		10			1	30					
Big Hole (N)									• • • • • • • • • • •		
Bitter Root (Mont. Div.)		18				* * * * * * * * * *					
Cabinet (N)		10					54		2 .		
Cabinet (N)				*********							
Cabinet (S) (See Idaho)	3	10			• • • • • • • •						
		16 .					24				
Ekalaka						• • • • • • • • • •					
Elkhorn								,			
Gallatin											
Helena	25					20		,			
Hell Gate (E)	7	30 .				50	4			14	



### COMMUNICATION—Continued.

NUMBER OF MILES CONSTRUCTED SINCE THE CREATION OF THE FORESTS, TO JUNE 30, 1907.

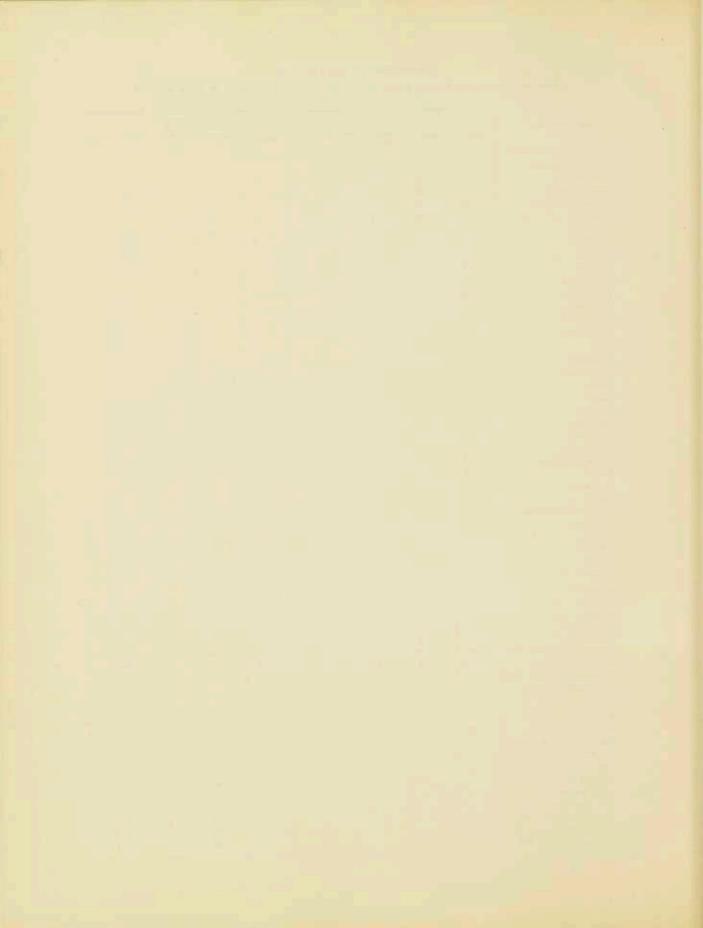
		Roads.		Rail	ways.	Т	rails.		Telephone line	
State and Forest.	County.	Private.	Govern- ment.	Standard gauge.	Narrow gauge or tram.	Private.	Govern ment.	Tele- graph lines.	Private or corporate.	Govern- ment.
MONTANA—Continued:						-				-
Hell Gate (W)				, , , , , , , , , , ,						11
Highwood Mountains	. 7	12				. 9				
Kootenai (See Idaho)										
Lewis and Clark (N)		90		. 20		. 50	300			
Lewis and Clark (S)	. 4		5	63				63		
Little Belt		11	5							
Little Rockies										
Lolo				. 23						
Long Pine		Literature and the second								
Madison	. 9	72	2	9 9	.,,,,,,,				5	40
Missoula		-								40
Otter										
Pryor Mountains							. 8			
Snowy Mountains										
Yellowstone (Abs. Div		104					98			
NEBRASKA:		209					95			
Dismal River							15			12
Niobrara							·			30
North Platte		• • • • • • • • • • • • • • • • • • • •							1	
NEVADA:										
Charleston		5				6				
Independence			, , , , , , , , ,							
Monitor										
Ruby Mountains										
Tahoe										
Toiyabe										* * * * * * * *
Toquima				,						
NEW MEXICO:										
				7.4						
Big Burros							4			
Gallinas										
Gila (N)							10			
Gila (S)		30			4	10	40	,	70	3
Guadalupe	2	6								
Jemez										
Lincoln		65				12	20			
Magdalena								,		
Manzano		• • • • • • • • • •								
Mount Taylor		· · · · · · · · · · · · · · · ·								
Pecos River										
Peloncillo	,									
Sacramento		8		6					30	
San Mateo		5	,							
Taos										
OKLAHOMA:										,
Wichita		28	17				2			
OREGON:		-					25			13 <del>1</del>
Ashland										
Blue Mountains (E)		281					25		59	27
Blue Mountains (W)									51	
Bull Run	3	2 .					55		1	
Cascade (N)	55			8		28	300		11‡	
Cascade (S)	1/2	24	5		2	42	258	8	46	
Coquille										



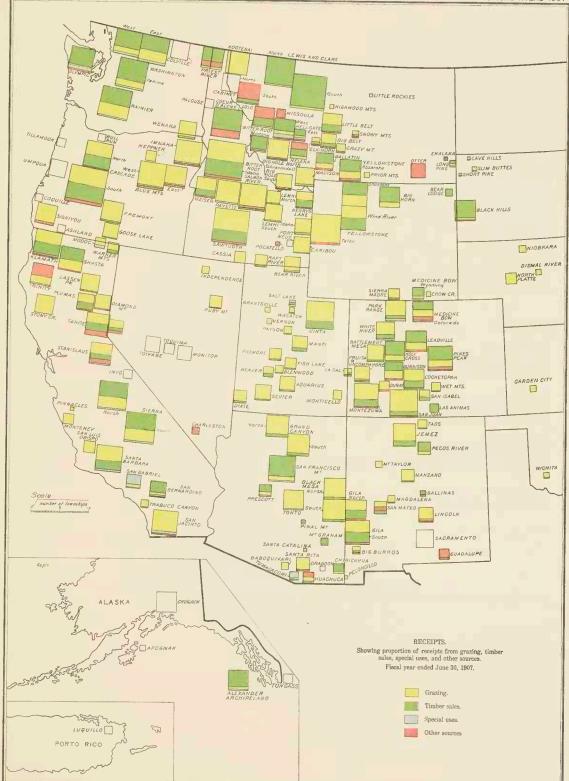
## COMMUNICATION—Continued.

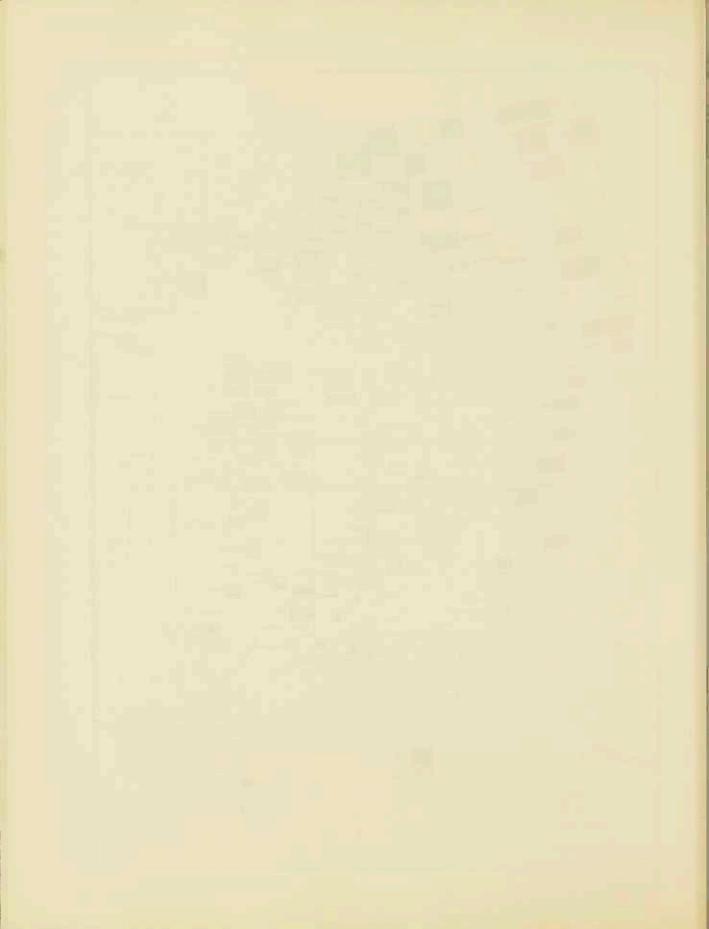
NUMBER OF MILES CONSTRUCTED SINCE THE CREATION OF THE FORESTS, TO JUNE 30, 1907.

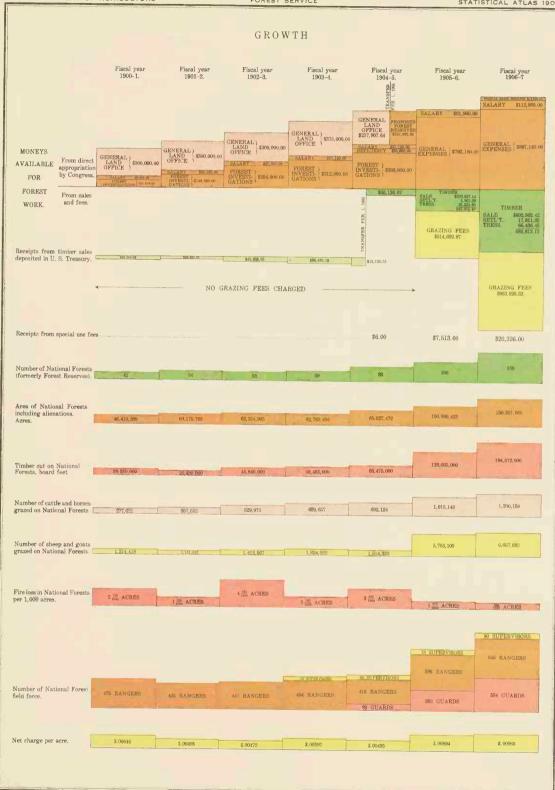
		Roads.		Rail	Railways.			Trails.		
State and Forest.	County.	Private.	Govern- ment.	Standard gauge.	Narrow gauge or tram.	Private.	Govern- ment.	graph lines.	Private or corporate.	Govern
OREGON - Continued:										
Fremont	. 17	125	8			. 4	3		6	
Goose Lake	. 10	66	4		. 6					
Heppner	. 54	60	1						12	
Imnaha		32	1			65	48		18	
Siskiyou			2	******			15		4	
Tillamook										
Umpqua						5				
Wenaha	0								9	. ,
	. 8									
OUTH DAKOTA:										
Black Hills	100	50		. 35	24				115	
Cave Hills		7			1				110	
Short Pine										
Slim Buttes		2							. ,	
TAH:										
Aquarius	12						180			
Bear River										
Beaver										, , , ,
Dixie		15								
Fillmore										
Fish Lake									*****	
Glenwood										
Grantsville										
La Sal (See Colo.)										
Manti	9	46								
Monticello				,					, ,	
Payson		·····					12			
Raft River (See Idaho)										
Salt Lake				, ,				1	113	
Sevier	21	3					9			20
Uinta	10		20				747			20
Vernon							121			31
Wasatch			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
									34	
ASHINGTON:										
Colville	35						5			44
Olympic			4			25	70			
Priest River										
Rainier		3	8			75	48		21	
Washington (Chelan Div.)	50	50				50	50		30	
Washington (W)	54	6	3	1	10	300	10			54
Washington (Wenat. Div.)	1			11	10	900	10	1/2	14 .	
TYY 3 (0) 0		1								
YOMING:				t						
Bear Lodge										74
Big Horn	83	57	55						45	52
Black Hills (See S. Dakota)									10	13.4
Caribou										
Crow Creek										
Medicine Bow (Wyo. Div.)										
Sierra Madre										
Yellowstone (Shos. Div.)			26 .				250		12	õ
Yellowstone (Teton Div.)			12 .				200		12 .	
Yellowstone (W. R. Div.)		10 .					200			

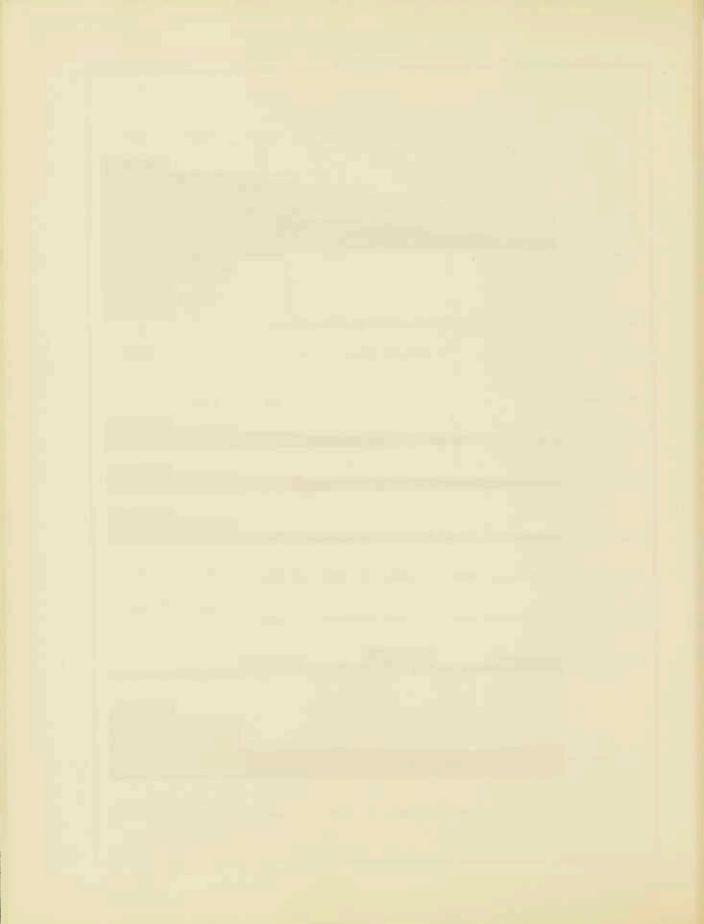


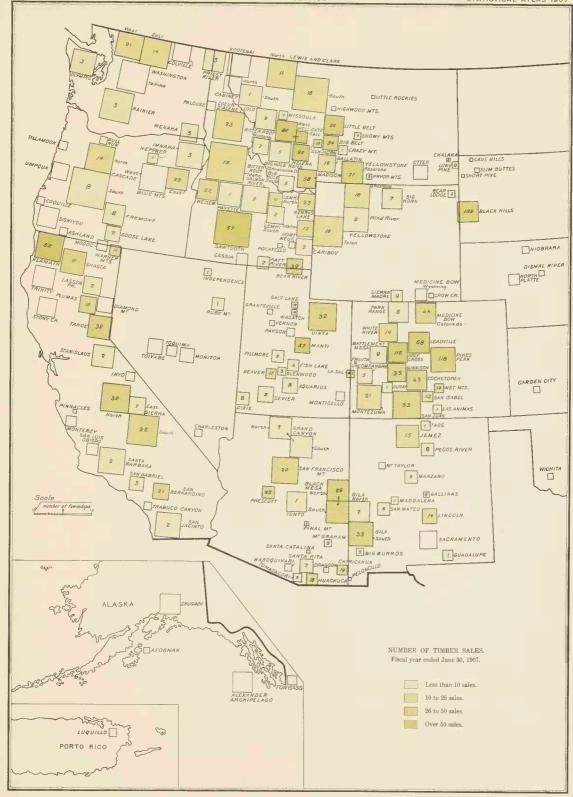


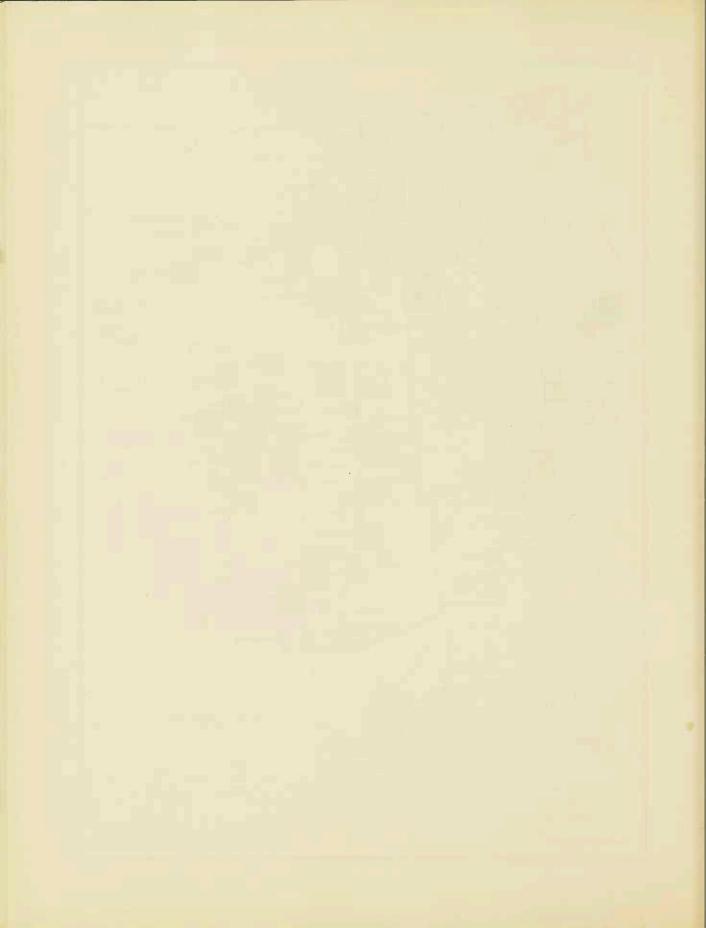


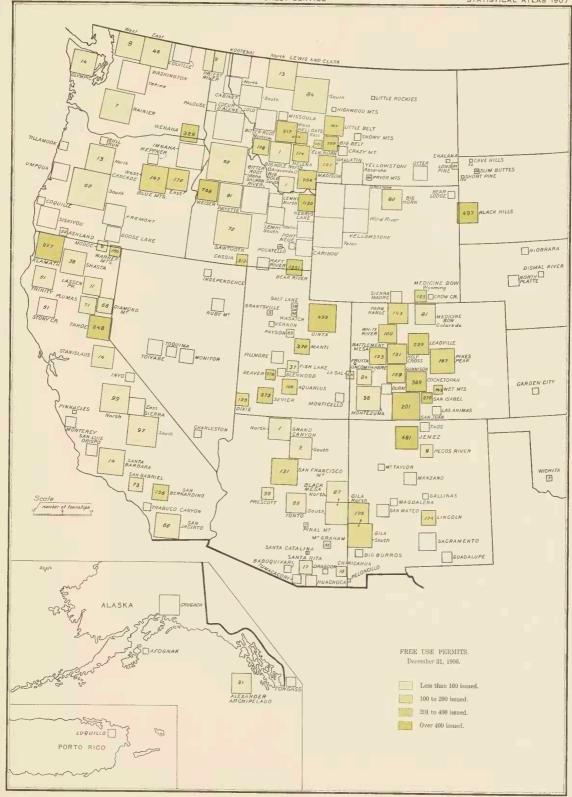








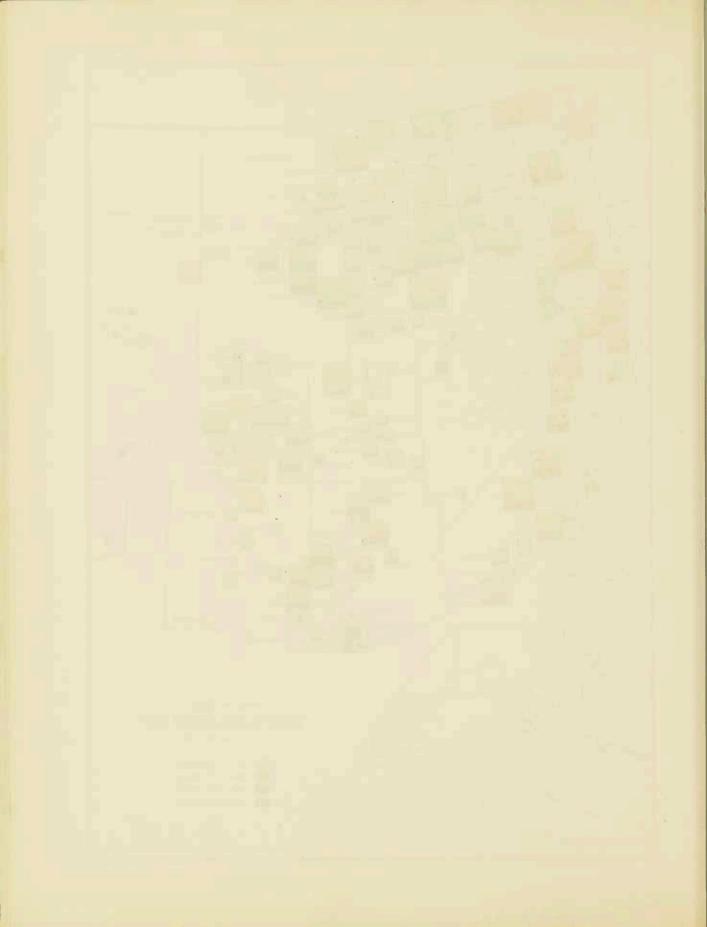


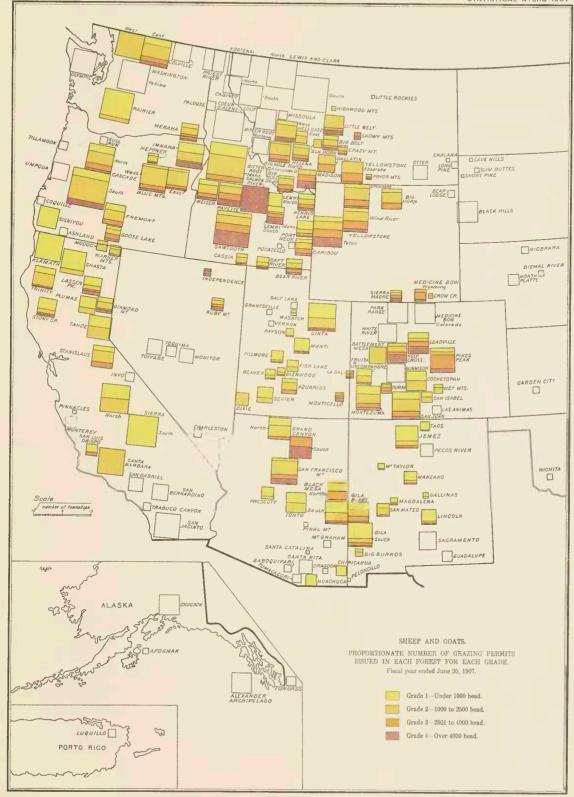




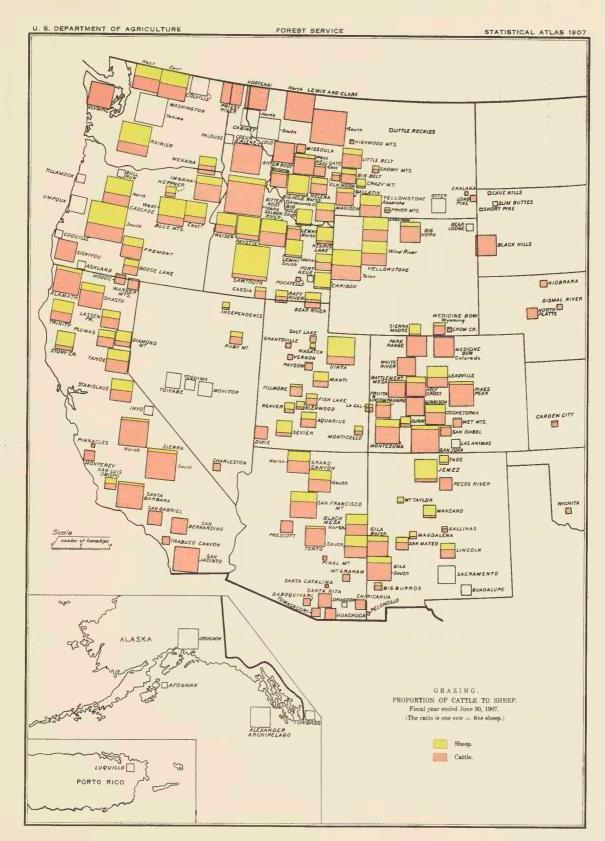


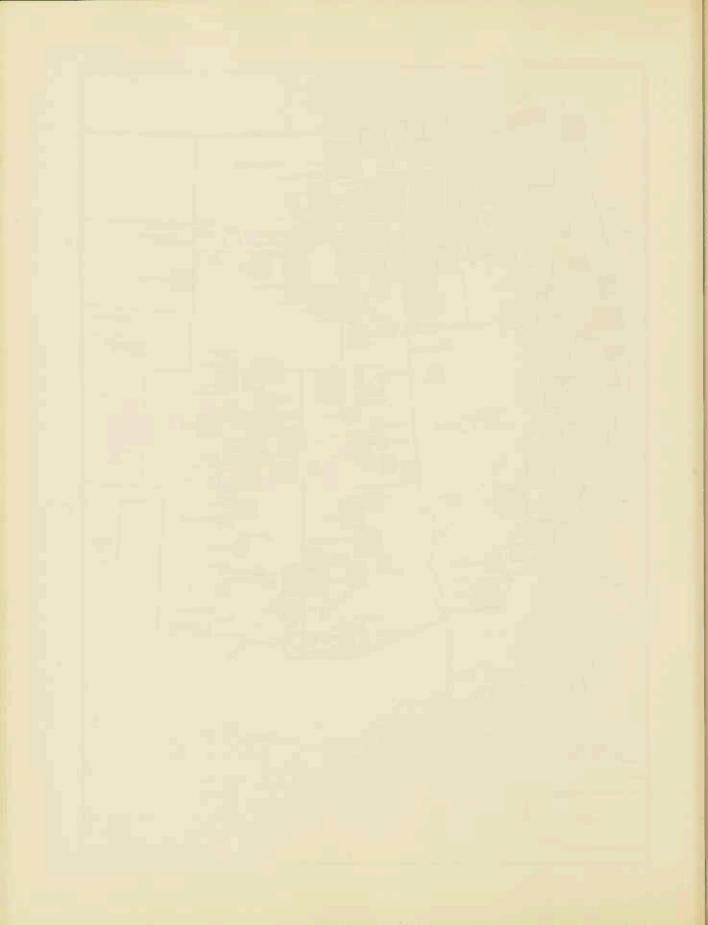












## USE OF NATIONAL FOREST LANDS AND RESOURCES.

KIND AND NUMBER OF PERMITS ISSUED SINCE CREATION OF THE FORESTS TO CLOSE OF FISCAL YEAR ENDED JUNE 30, 1907.

#### SPECIAL USE.

Kind of permit.	Number.			Number.	
	Charge.	Free.	Kind of permit.	Charge.	Fre
ricultural	245	21	Obgowyotowy		-
ricultural and pasture	9		Observatory		
			Office		
iary	52		Park	1	
say office	1		Pasture	396	
nking ground		1	Poultry ranch	1	
rn	6	4	Powder house	1	
th house	1		Power plant	19	
at		4	Quartz mill		
ck manufacture	2		Railroad	~	
ilding		5	Railroad (logging)		
bin	35	18	Railroad siding		
mp qm	13	5	Railroad station		
tle feed yard	1		Recorrein		
		2	Reservoir	44	
arcoal pit		2	Residence	123	
anah		1	Resort	20	
urch		1	Restaurant		
y reservoir and conduit		1	Road	19	
y watershed		1	Sale of barbed wire	1	
aring river		1	Sale of sand and stone	7	
nduit	89	235	Sanitarium	1	
ral	4	55	Saw mill	11	
vert		1	School	2	
ry	2		Shed		
n	2		Skidmon	I	
pping vat	2		Skidway		
in, pipe line, and power house	~		Slaughter house	į.	
ft fence		140	Smelter site	3	
		140	Stable	1	
		2	Station ground	4	
gine		1	Stage station	2	
periment station		1	Steam boat		
ry landing		1 .	Steam thresher		
n natchery	2		Store	24	
ning site	5		Telephone	~ 1	
ranch	3		Trail	I	
sale	58		Tramway		
el	53		Tranway (aprial)	8 .	
nting permit	30	3	Transay (aerial)	1.0	
pond	1		Transmission line	12	
ā	3		Trout pond	1	
ndry	0		Tunnel		
a kiln		1	Use of creek	1	
e kilnery stable			Well		
abote	2		Well, windmill, and tank		
chute		5	Wharf	2	
ging pond	1		Windmill	ĩ	
aber camp	1		Wood yard	1	
aber yard		1			
			Total	1811	1

## KIND AND NUMBER OF PERMITS AND NUMBER OF TIMBER SALES.

### (Recapitulated by years)

Year issued.	Special use.	Grazing.	Crossing forest with stock.	Free timber.	Total permits.	Timber sales.
Fiscal years 1891 to 1898 inclusive. Fiscal year 1899. Fiscal year 1900. Fiscal year 1901. Fiscal year 1902. Fiscal year 1903. Fiscal year 1904. Fiscal year 1905. Fiscal year 1906. Fiscal year 1907.  Total.	298 604	2, 817 3, 126	8 277 346 503 1,449	283 1, 289 2, 135 3, 289 3, 363 8, 097 17, 399	2, 600 4, 415 6, 697 10, 249 11, 988 25, 797 42, 516	6 12 31 77 156 377 411 1,023 1,508

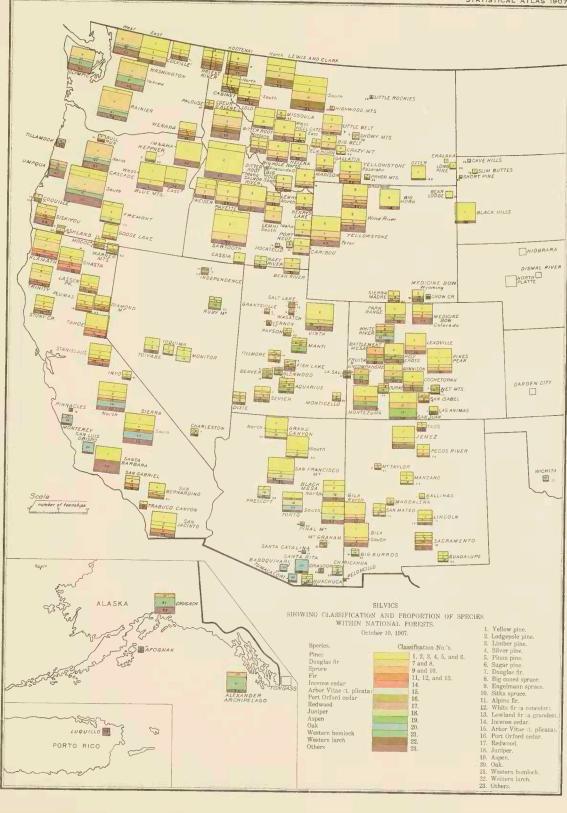
NOTES—Canal, ditch, flume, pipe line, and other water transmission permits included with those for conduits.

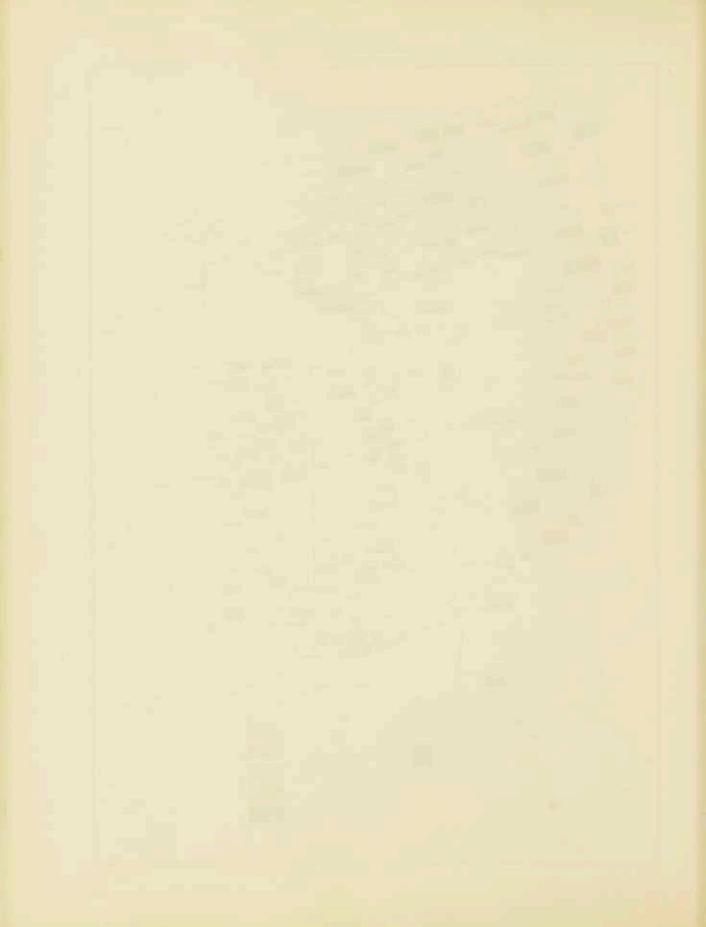
Special use pusture permits not included under "Grazing."

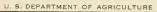
Two hundred and twenty-three special use permits issued prior to February 1, 1905, included in number reported for fiscal year 1905.

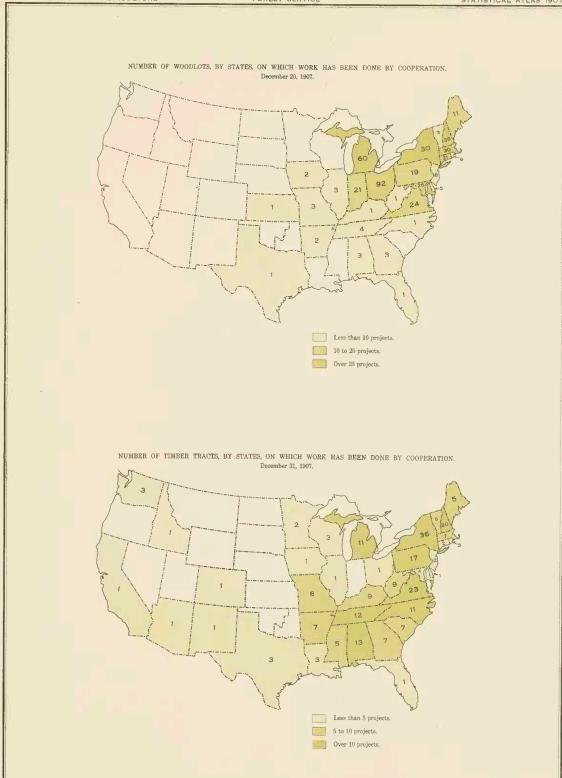
Permits are not required for "prospecting for minerals, transient camping, hunting, fishing, and surveying for lawful projects." (P. 48, Reg. 6 of The Use Book for 1907).

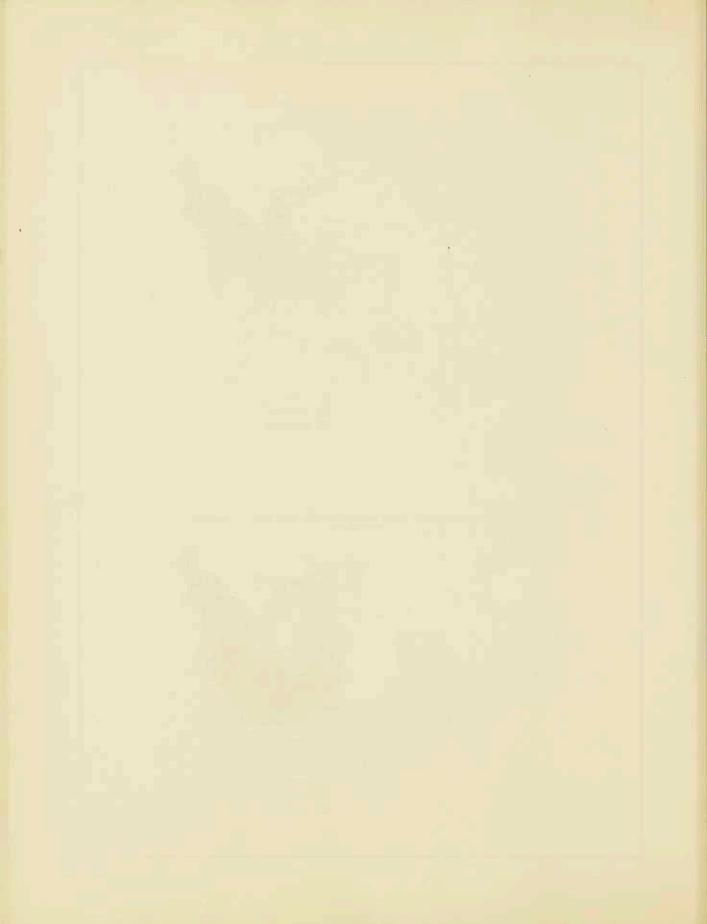


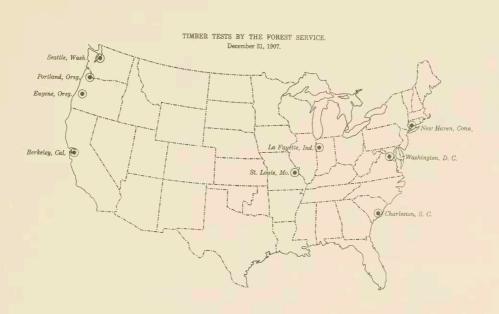


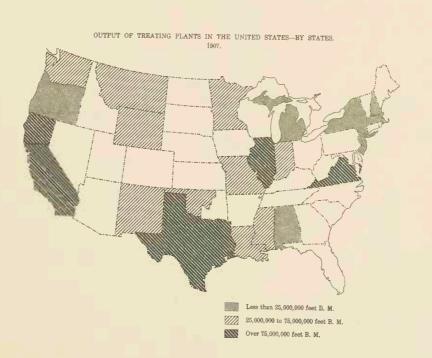




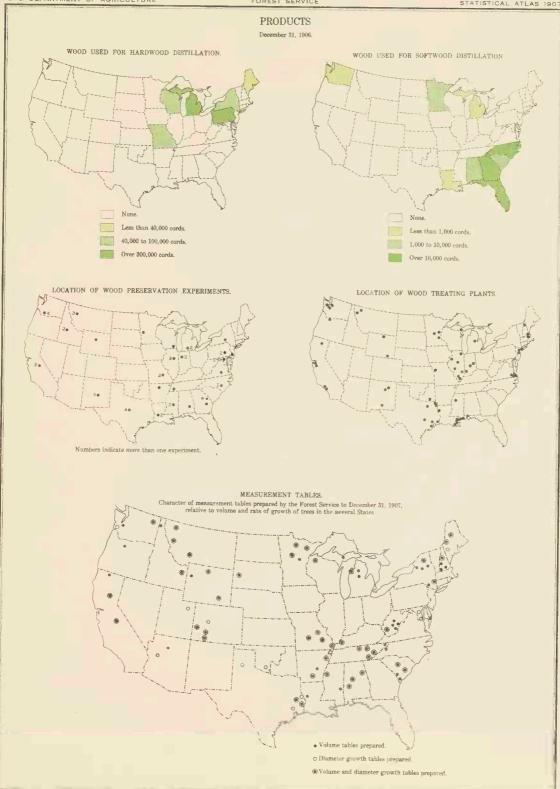




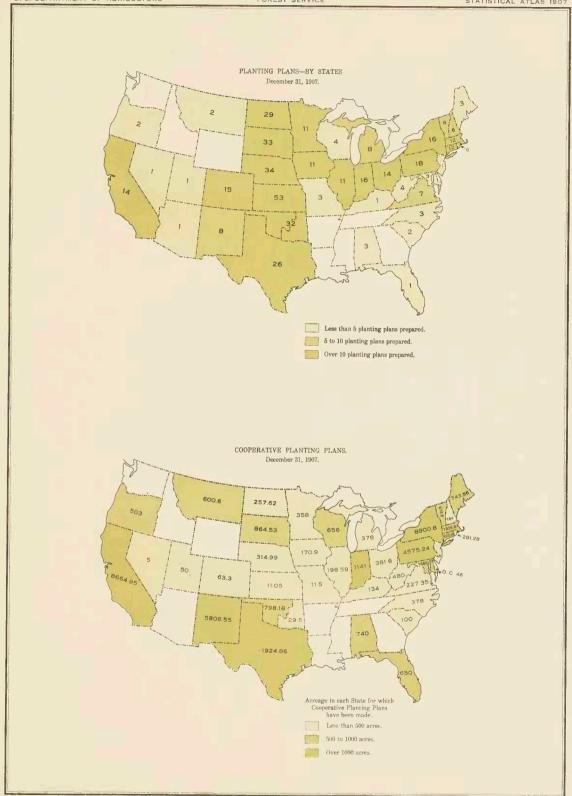




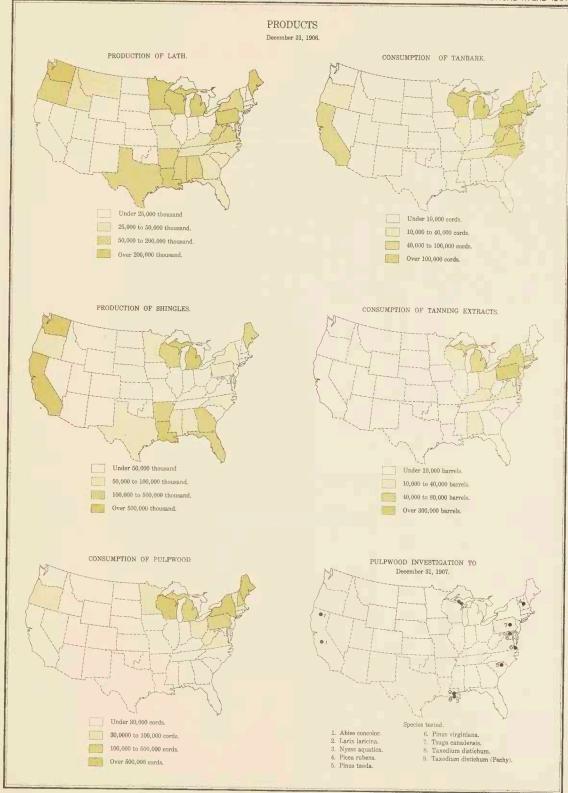


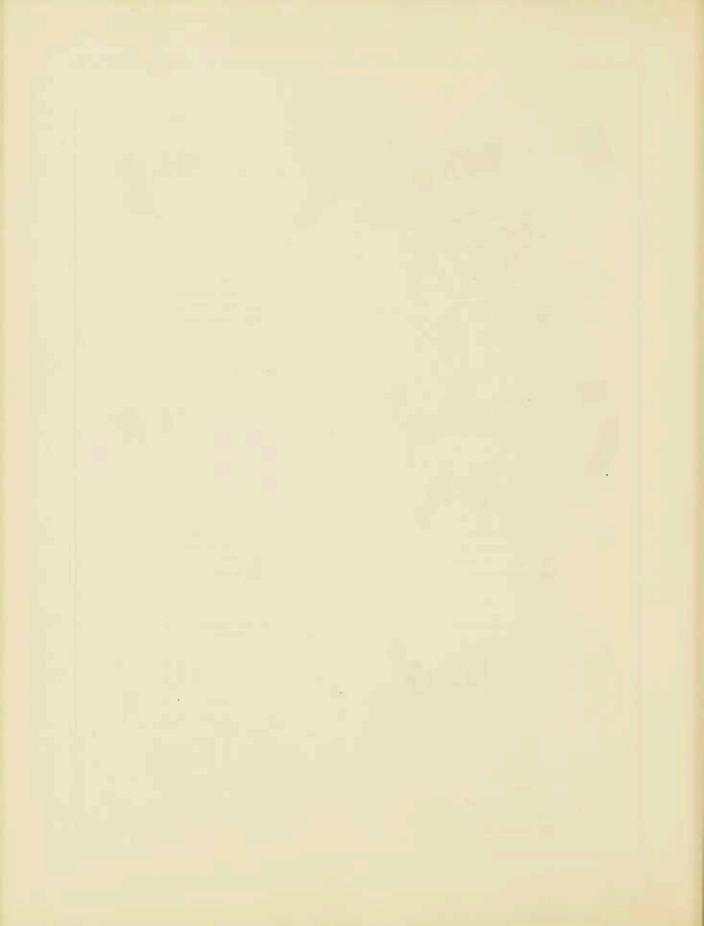








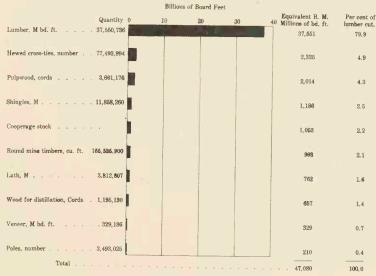


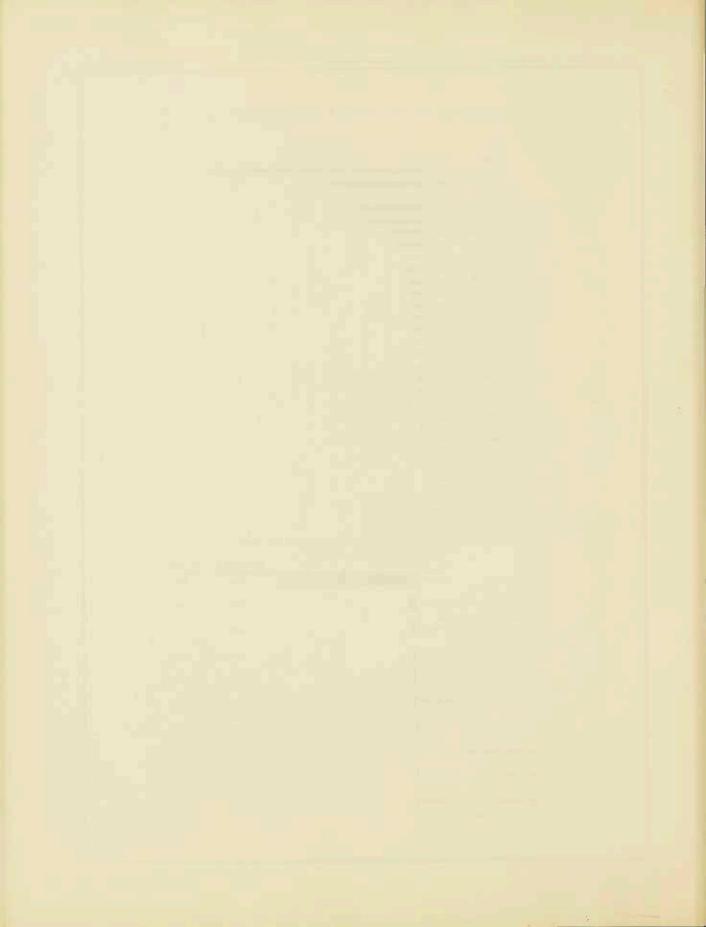


## LUMBER CUT OF THE UNITED STATES, BY SPECIES, 1906.



# OUTPUT OF FOREST PRODUCTS IN 1906.







## COMPARISON OF STUMPAGE VALUES.

For the years 1899, 1904, and 1907.

SPECIES,

AVERAGE VALUE PER THOUSAND FEET.



a. White oak only.b. Eastern spruce only.c. Eastern hemlock only.



